

3.0 credits

20.0 h + 10.0 h

Teacher(s) :	Clapuyt Philippe ; Jamar François ; Scalliet Pierre (coordinator) ; Smeesters Patrick ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	<p>Elaboration process of norms in radioprotection : actors, the role of the expert, ethical and epistemological aspects. Hereditary effects of radiation : advanced discussion. Irradiation accidents : consequences, including Chernobyl aftermaths. Long-term deterministic effects : presentation and discussion, including recent data from Hiroshima and Nagasaki. The Belgian law: detailed presentation. Emergency actions in case of accidents (including bone marrow transplantation). Radiation carcinogenesis : advanced discussion. Operational radioprotection : sealed and unsealed sources, contamination, elements of effective and committed dose, their computation and the derived action levels ; In-utero irradiation and its consequences. Radon exposure : health issues and approach in radioprotection.</p>
Aims :	<i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i>
Cycle and year of study :	<p> > Master [120] in Physics > Advanced Master in X-Ray Diagnostics > Advanced Master in Radiotherapy-Oncology > Advanced master in Nuclear Medicine > Certificat de compétence pour l'utilisation des rayons X en diagnostic médical > Certificat universitaire de contrôle physique en radioprotection (Classe I) > Certificat universitaire de contrôle physique en radioprotection (Classe II) > Certificat universitaire en physique d'hôpital > Certificat universitaire en radiopharmacie > Certificat universitaire en radioprotection pour les médecins du travail </p>
Faculty or entity in charge:	CRPR